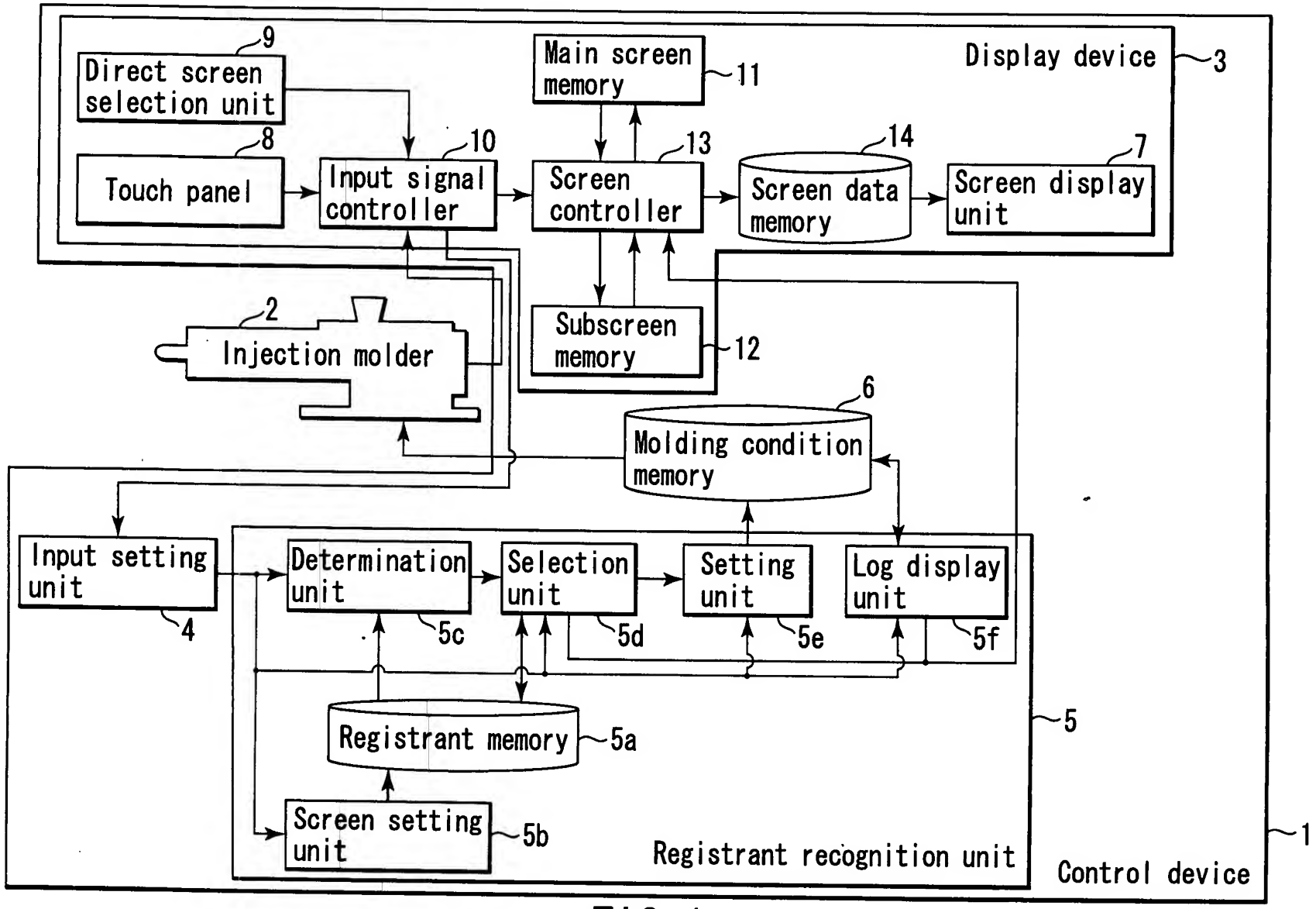

Direct screen selection unit
9
Main screen memory
11
Display device
3
Touch panel
8
Input signal controller
10
Screen controller
13
Screen data memory
14
Screen display unit
7
2
Injection molder
Subscreen memory
12
6
Molding condition memory
Input setting unit
4
Determination unit
5c
Selection unit
5d
Setting unit
5e
Log display unit
5f
Registrant memory
5a
5
Screen setting unit
5b
Registrant recognition unit
Control device
1

FIG. 1

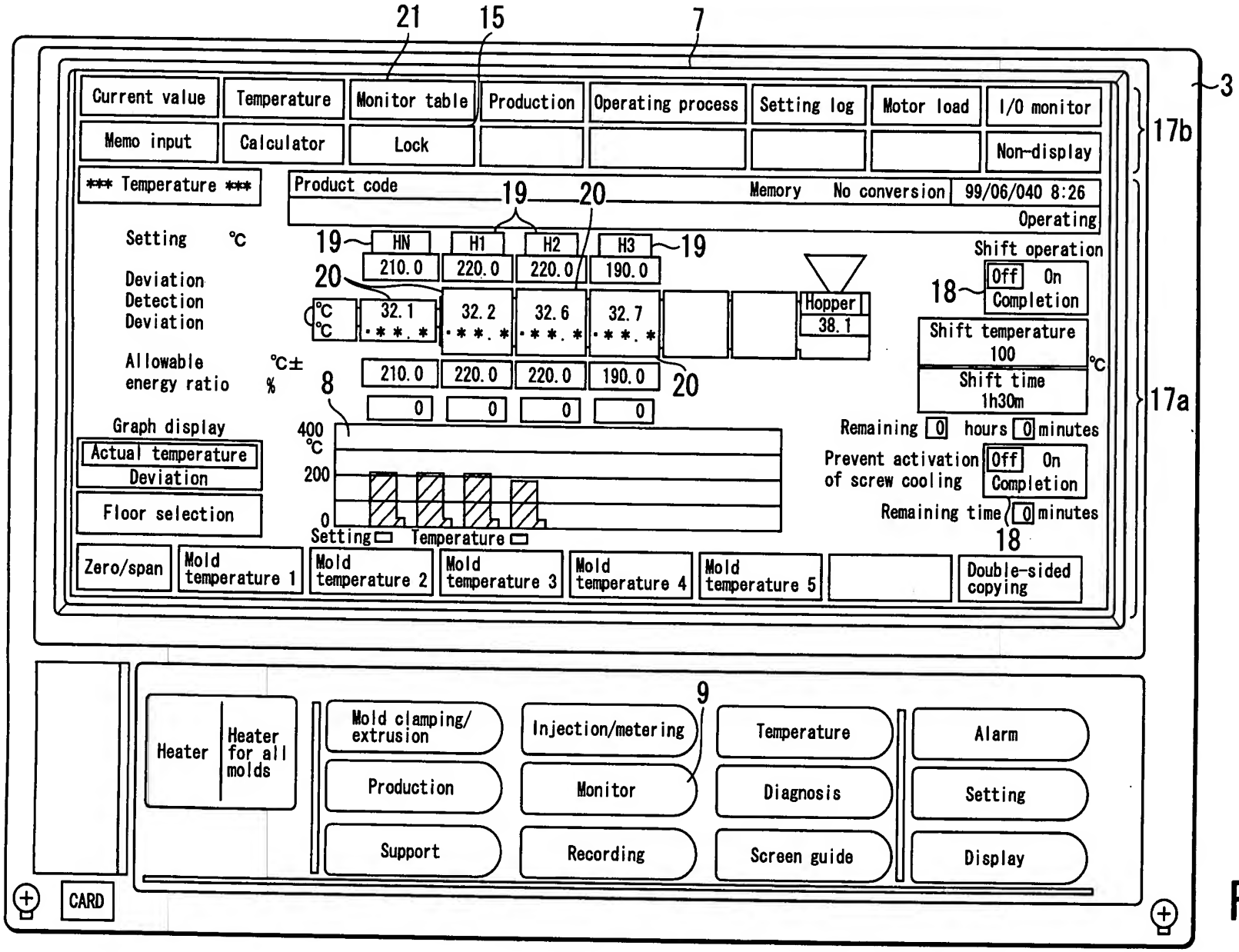

21
15
7
3
Current value
Temperature
Monitor table
Production
Operating process
Setting log
Motor load
I/O monitor
Memo input
Calculator
Lock
Non-display
17b
*** Temperature ***
Product code
19
20
Memory
No conversion
99/06/040 8:26
Operating
Setting ℃
HN
H1
H2
H3
210.0
220.0
220.0
190.0
Deviation Detection Deviation
℃
℃
32.1
32.2
32.6
32.7
Hopper
38.1
Allowable energy ratio ℃±
%
8
0
Graph display
Actual temperature Deviation
Floor selection
400 ℃
200
0
Setting
Temperature
Shift operation
Off
On
Completion
18
Shift temperature
100
℃
Shift time
1h30m
17a
Remaining 0 hours 0 minutes
Prevent activation of screw cooling
Remaining time 0 minutes
Zero/span
Mold temperature 1
Mold temperature 2
Mold temperature 3
Mold temperature 4
Mold temperature 5
Double-sided copying
CARD
Heater
Heater for all molds
Mold clamping/ extrusion
Injection/metering
Temperature
Alarm
Production
Monitor
Diagnosis
Setting
Support
Recording
Screen guide
Display
9

FIG. 2

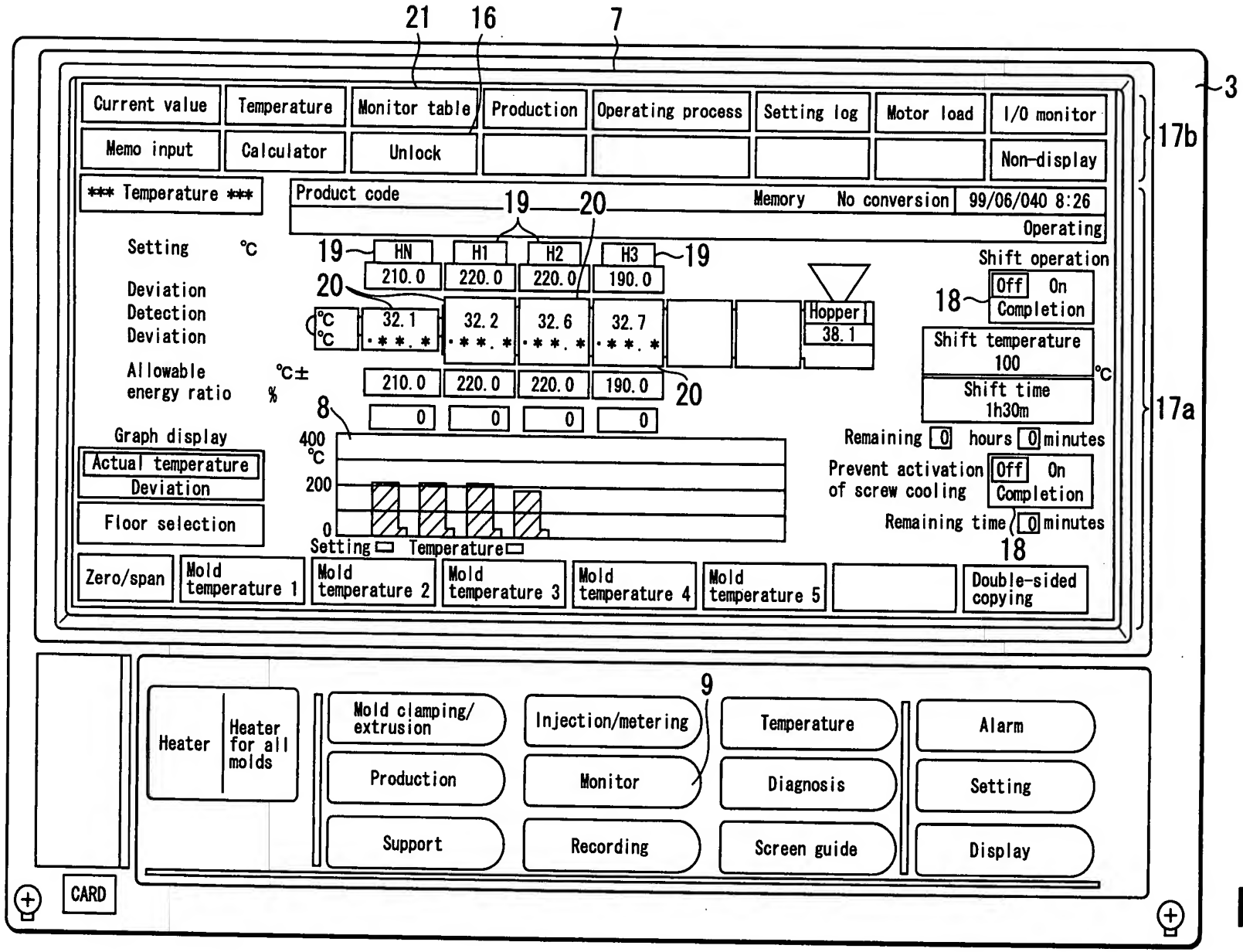

21
16
7
3
Current value
Temperature
Monitor table
Production
Operating process
Setting log
Motor load
I/O monitor
Memo input
Calculator
Unlock
Non-display
17b
*** Temperature ***
Product code
19
20
Memory
No conversion
99/06/040 8:26
Operating
Setting ℃
HN
H1
H2
H3
210.0
220.0
220.0
190.0
Deviation Detection Deviation
℃
℃
32.1
32.2
32.6
32.7
Hopper
38.1
Allowable energy ratio ℃± %
0
0
0
0
Shift operation
Off
On
Completion
18
Shift temperature
100
℃
Shift time
1h30m
17a
Remaining 0 hours 0 minutes
Prevent activation of screw cooling
Off
On
Completion
Remaining time 0 minutes
8
Graph display
Actual temperature
Deviation
Floor selection
400
℃
200
0
Setting
Temperature
Zero/span
Mold temperature 1
Mold temperature 2
Mold temperature 3
Mold temperature 4
Mold temperature 5
Double-sided copying
9
Heater
Heater for all molds
Mold clamping/ extrusion
Injection/metering
Temperature
Alarm
Production
Monitor
Diagnosis
Setting
Support
Recording
Screen guide
Display
CARD

FIG. 3

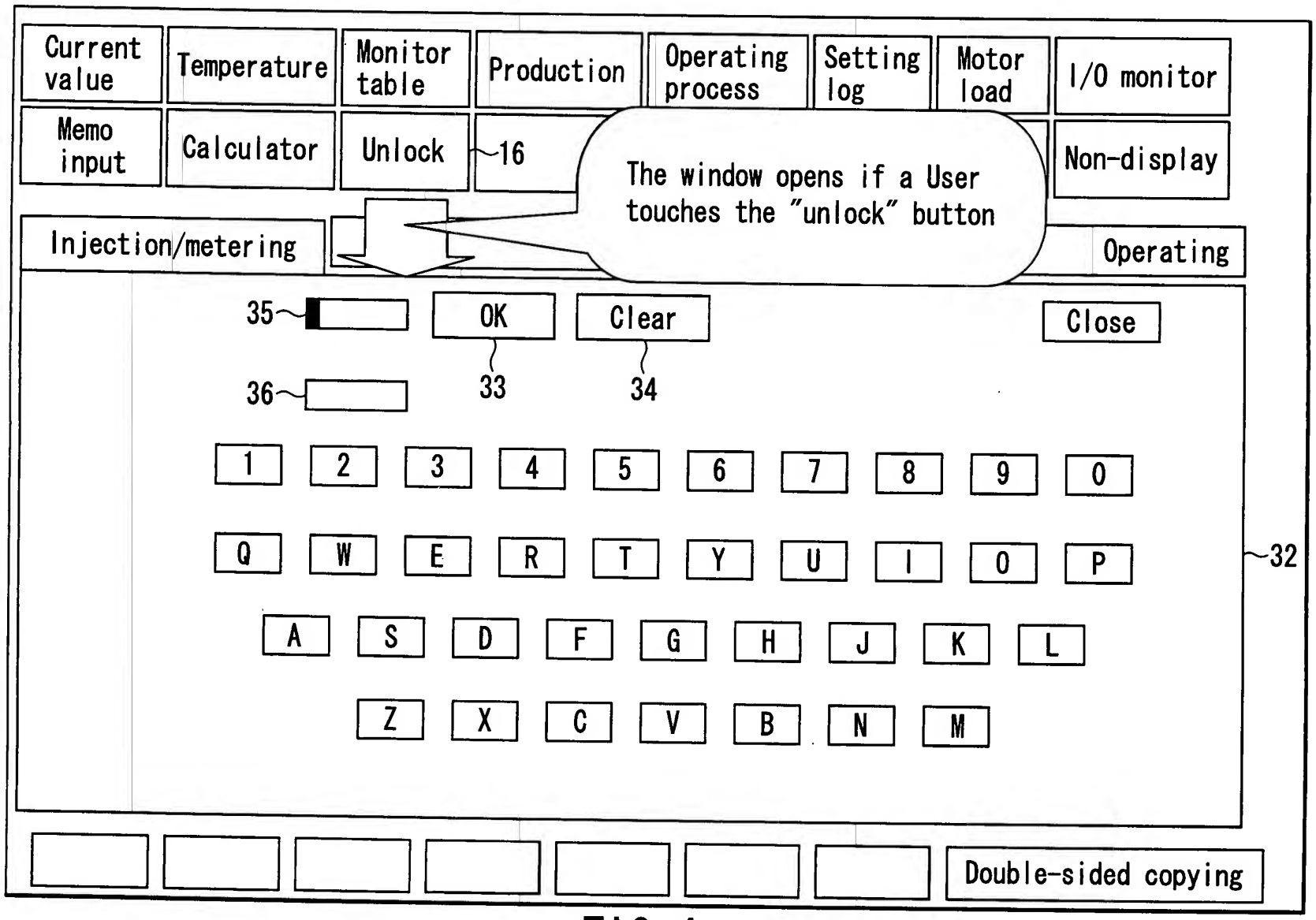

Current value
Temperature
Monitor table
Production
Operating process
Setting log
Motor load
I/O monitor
Memo input
Calculator
Unlock
16
Non-display
The window opens if a User touches the "unlock" button
Injection/metering
Operating
35
OK
Clear
Close
36
33
34
1 2 3 4 5 6 7 8 9 0
Q W E R T Y U I O P
32
A S D F G H J K L
Z X C V B N M
Double-sided copying

FIG. 4

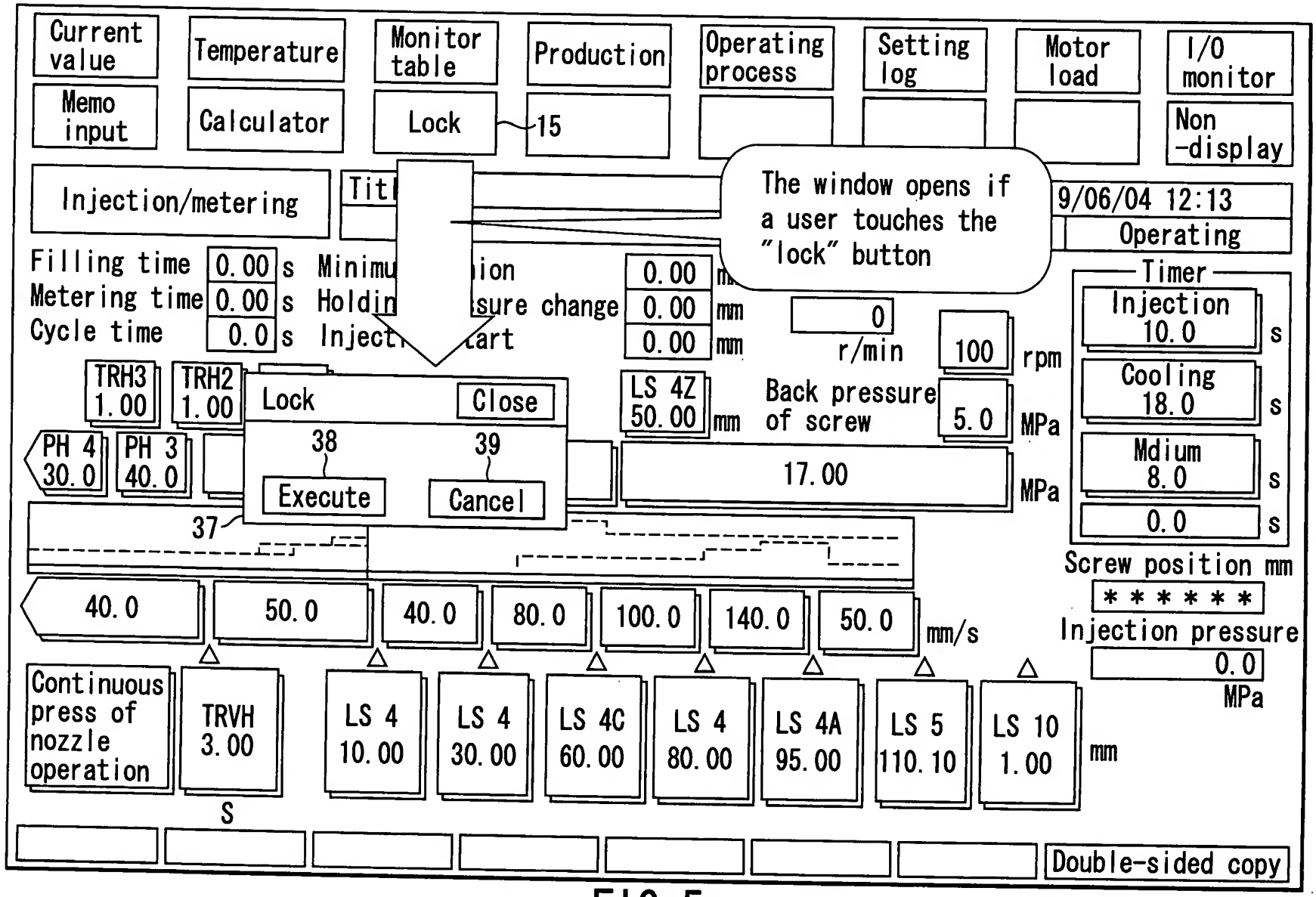

Current value
Temperature
Monitor table
Production
Operating process
Setting log
Motor load
I/O monitor
Memo input
Calculator
Lock
15
Non -display
Injection/metering
The window opens if a user touches the "lock" button
9/06/04 12:13
Operating
Filling time 0.00 s
Metering time 0.00 s
Cycle time 0.0 s
0.00 mm
0.00 mm
0.00 mm
0 r/min
100 rpm
Timer
Injection 10.0 s
Cooling 18.0 s
Mdium 8.0 s
0.0 s
TRH3 1.00
TRH2 1.00
Lock
Close
LS 4Z 50.00 mm
Back pressure of screw
5.0 MPa
PH 4 30.0
PH 3 40.0
38
39
Execute
Cancel
17.00 MPa
37
Screw position mm
* * * * * *
40.0
50.0
40.0
80.0
100.0
140.0
50.0
mm/s
Injection pressure
0.0 MPa
Continuous press of nozzle operation
TRVH 3.00
LS 4 10.00
LS 4 30.00
LS 4C 60.00
LS 4 80.00
LS 4A 95.00
LS 5 110.10
LS 10 1.00
mm
S
Double-sided copy

FIG. 5

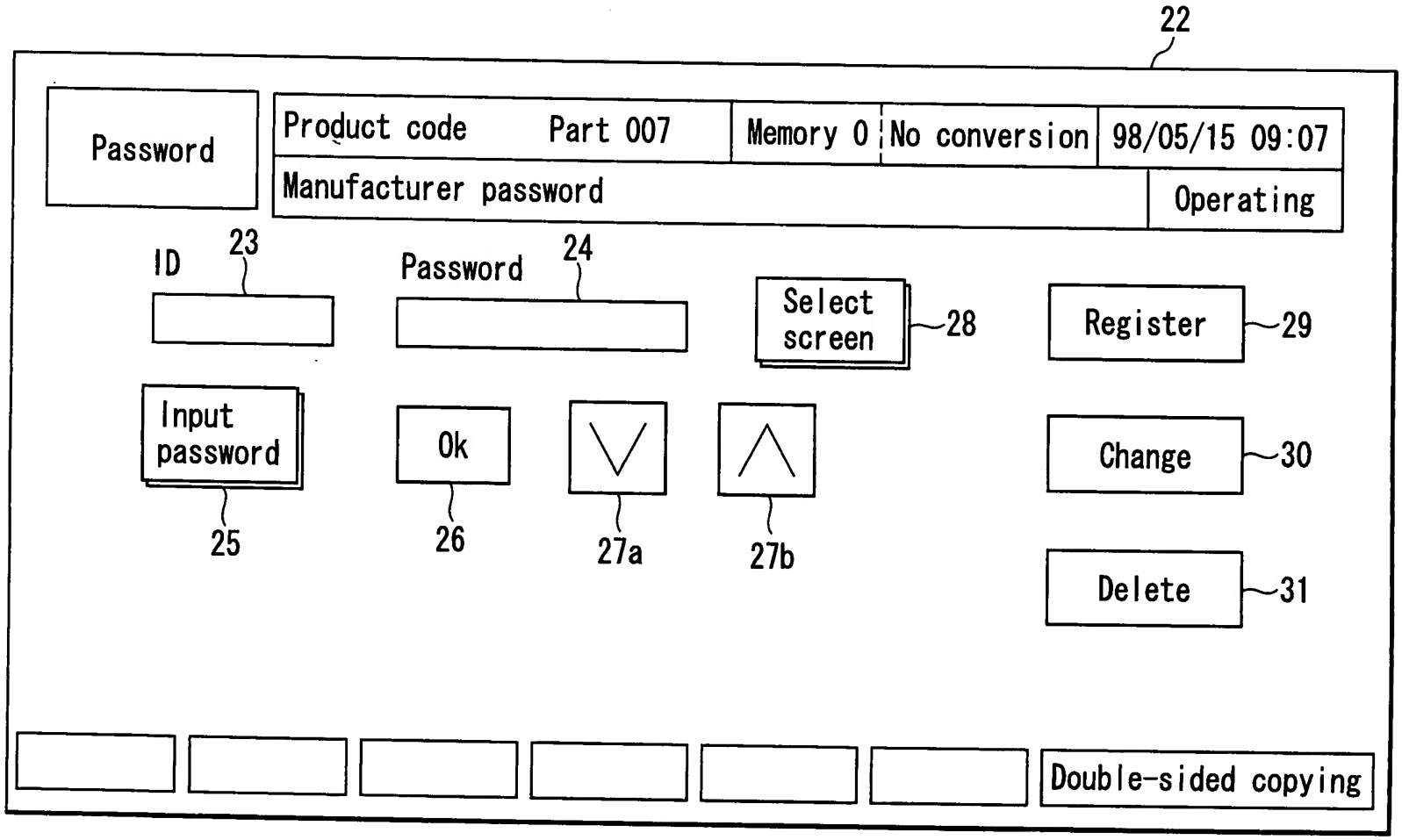

22
Password
Product code Part 007
Memory 0
No conversion
98/05/15 09:07
Manufacturer password
Operating
ID
23
Password
24
Select screen
28
Register
29
Input password
25
Ok
26
27a
27b
Change
30
Delete
31
Double-sided copying

FIG. 6

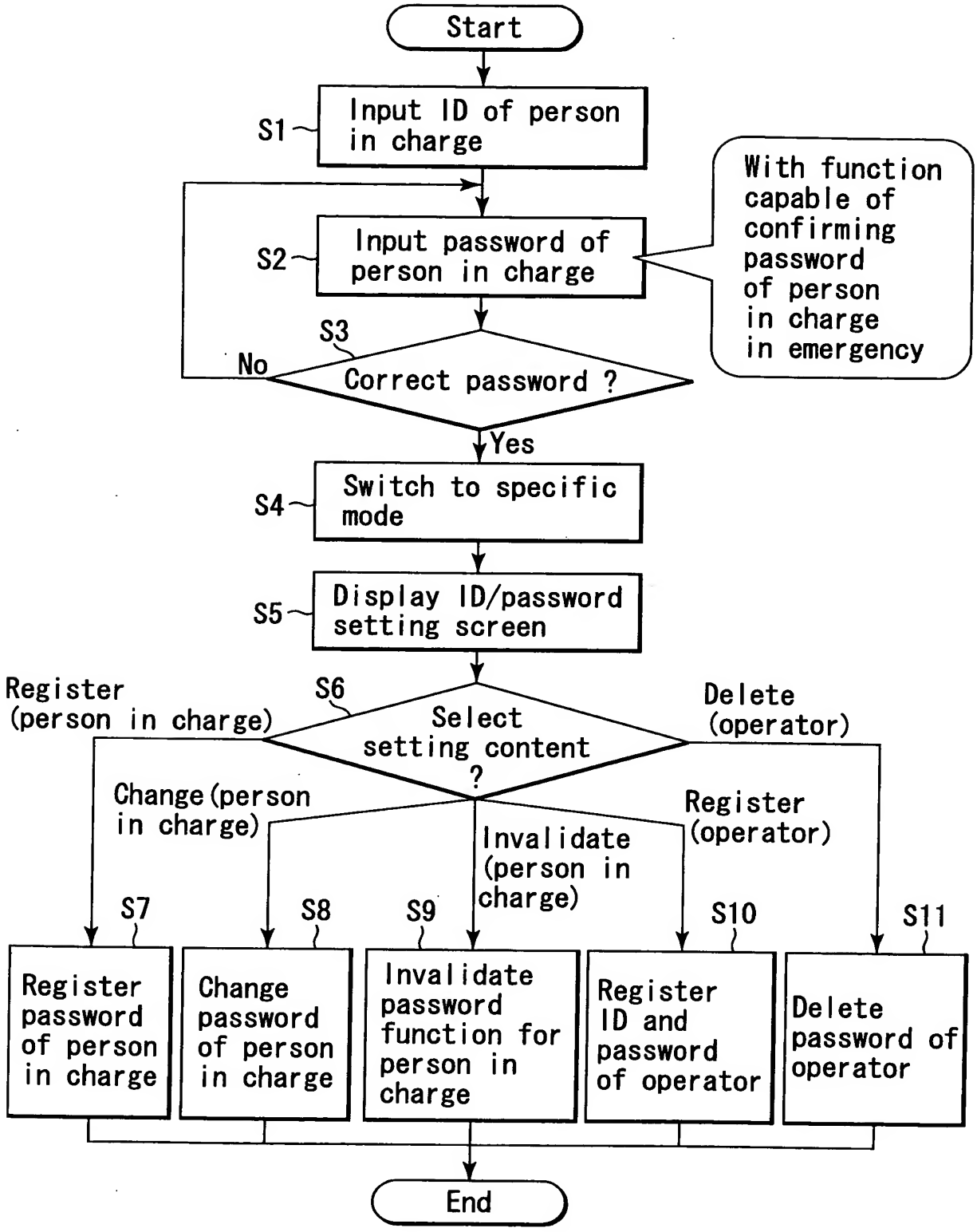

Start
S1
Input ID of person in charge
S2
Input password of person in charge
With function capable of confirming password of person in charge in emergency
S3
No
Correct password ?
Yes
S4
Switch to specific mode
S5
Display ID/password setting screen
S6
Select setting content ?
Register (person in charge)
Change (person in charge)
Invalidate (person in charge)
Register (operator)
Delete (operator)
S7
S8
S9
S10
S11
Register password of person in charge
Change password of person in charge
Invalidate password function for person in charge
Register ID and password of operator
Delete password of operator
End

FIG. 7

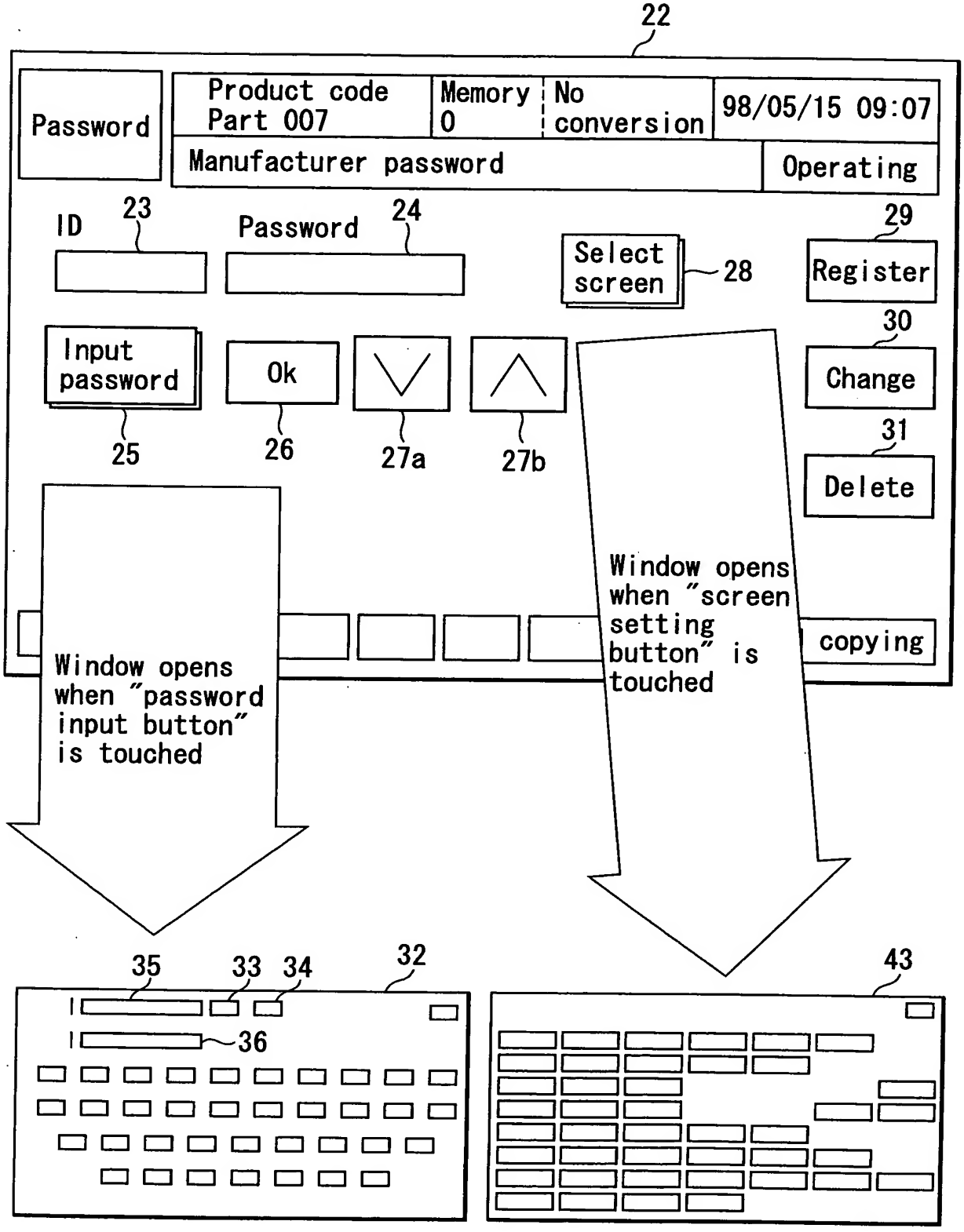

22
Password
Product code
Part 007
Memory
0
No
conversion
98/05/15 09:07
Manufacturer password
Operating
ID
23
Password
24
Select
screen
28
29
Register
Input
password
Ok
30
Change
25
26
27a
27b
31
Delete
Window opens
when "screen
setting
button" is
touched
copying
Window opens
when "password
input button"
is touched
35
33
34
32
36
43

FIG. 8

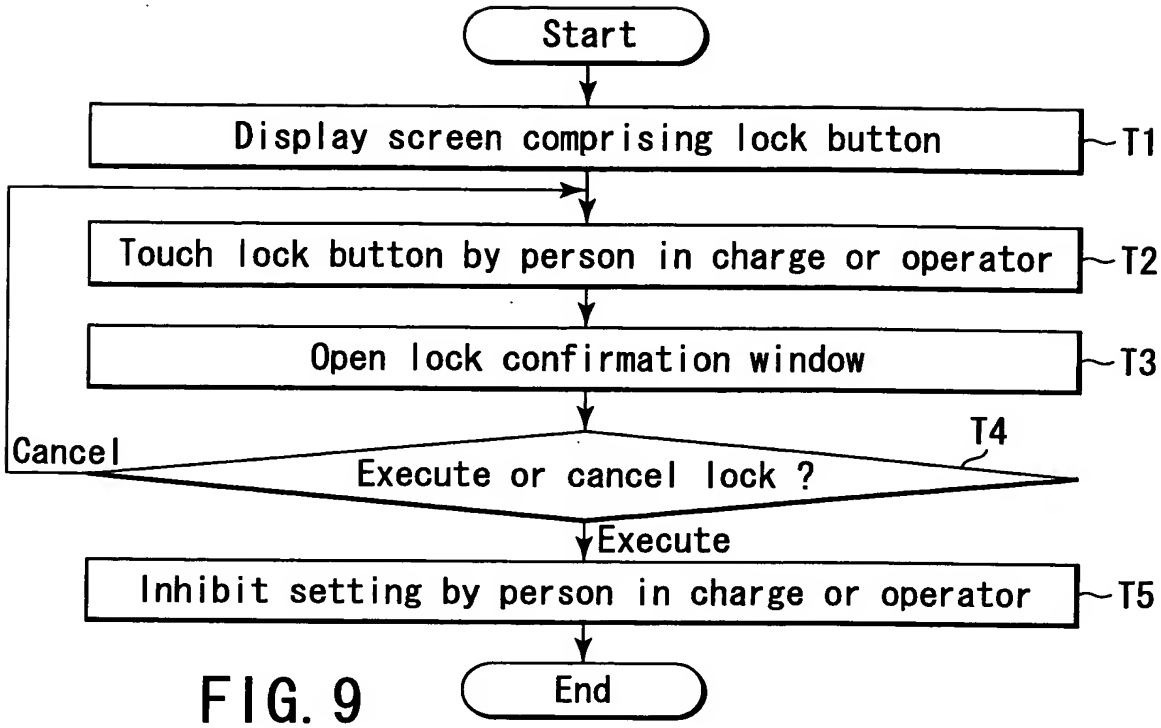

Start
Display screen comprising lock button
T1
Touch lock button by person in charge or operator
T2
Open lock confirmation window
T3
T4
Cancel
Execute or cancel lock ?
Execute
Inhibit setting by person in charge or operator
T5
End

FIG. 9

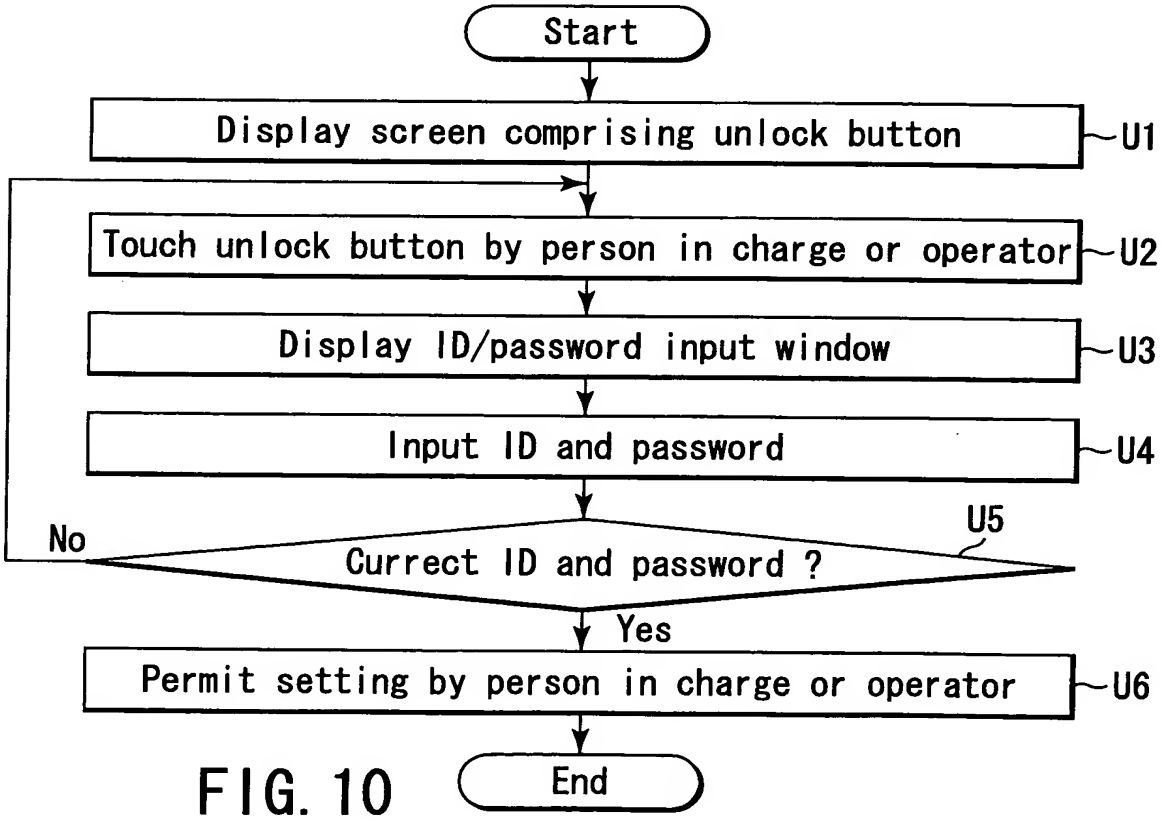
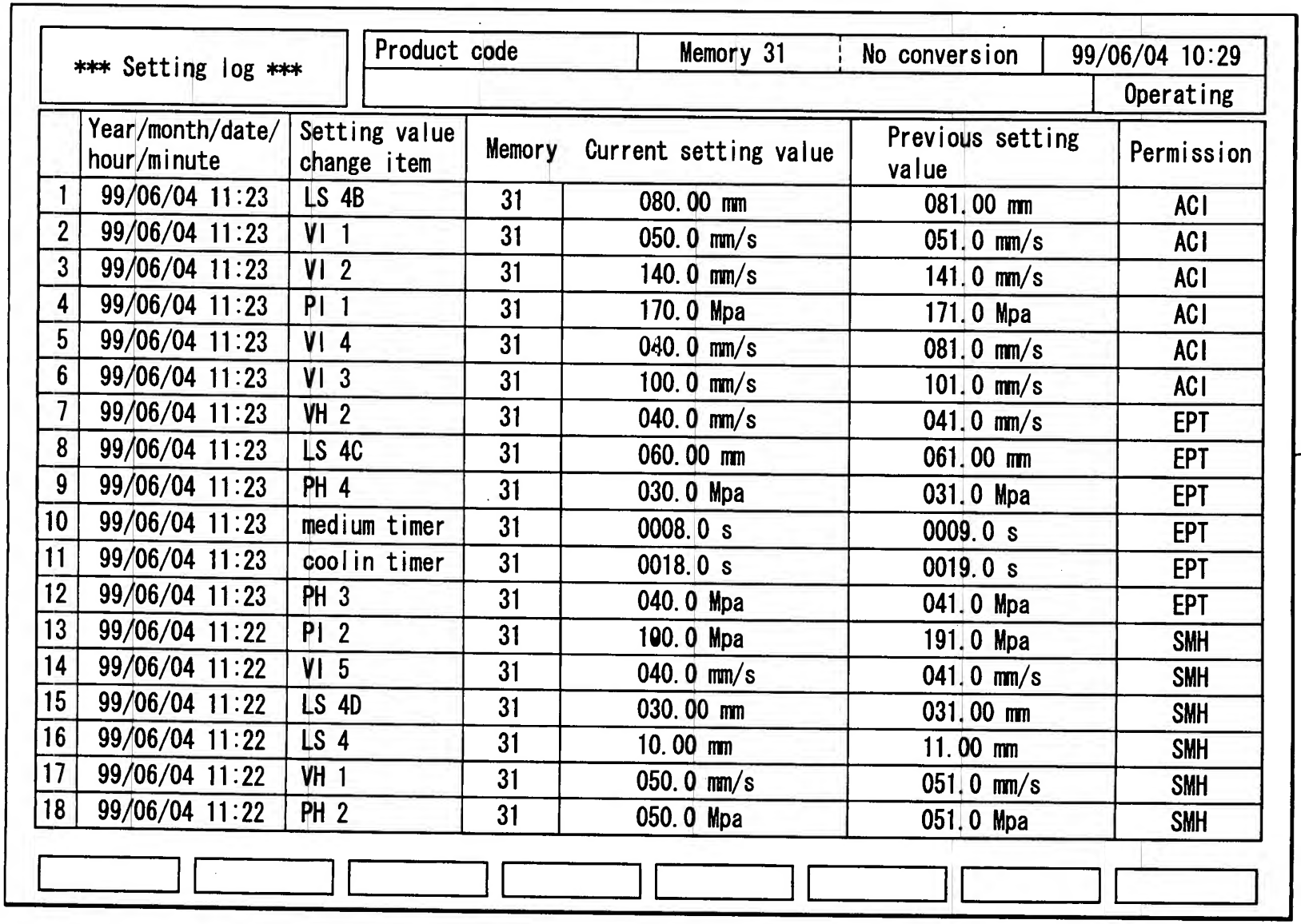

Start
Display screen comprising unlock button
U1
Touch unlock button by person in charge or operator
U2
Display ID/password input window
U3
Input ID and password
U4
U5
No
Currect ID and password ?
Yes
Permit setting by person in charge or operator
U6
End

FIG. 10



*** Setting log ***

Product code	Memory 31	No conversion	99/06/04 10:29
			Operating

	Year/month/date/ hour/minute	Setting value change item	Memory	Current setting value	Previous setting value	Permission
1	99/06/04 11:23	LS 4B	31	080.00 mm	081.00 mm	ACI
2	99/06/04 11:23	VI 1	31	050.0 mm/s	051.0 mm/s	ACI
3	99/06/04 11:23	VI 2	31	140.0 mm/s	141.0 mm/s	ACI
4	99/06/04 11:23	PI 1	31	170.0 Mpa	171.0 Mpa	ACI
5	99/06/04 11:23	VI 4	31	080.0 mm/s	081.0 mm/s	ACI
6	99/06/04 11:23	VI 3	31	100.0 mm/s	101.0 mm/s	ACI
7	99/06/04 11:23	VH 2	31	040.0 mm/s	041.0 mm/s	EPT
8	99/06/04 11:23	LS 4C	31	060.00 mm	061.00 mm	EPT
9	99/06/04 11:23	PH 4	31	030.0 Mpa	031.0 Mpa	EPT
10	99/06/04 11:23	medium timer	31	0008.0 s	0009.0 s	EPT
11	99/06/04 11:23	coolin timer	31	0018.0 s	0019.0 s	EPT
12	99/06/04 11:23	PH 3	31	040.0 Mpa	041.0 Mpa	EPT
13	99/06/04 11:22	PI 2	31	190.0 Mpa	191.0 Mpa	SMH
14	99/06/04 11:22	VI 5	31	040.0 mm/s	041.0 mm/s	SMH
15	99/06/04 11:22	LS 4D	31	030.00 mm	031.00 mm	SMH
16	99/06/04 11:22	LS 4	31	10.00 mm	11.00 mm	SMH
17	99/06/04 11:22	VH 1	31	050.0 mm/s	051.0 mm/s	SMH
18	99/06/04 11:22	PH 2	31	050.0 Mpa	051.0 Mpa	SMH

40

FIG. 11

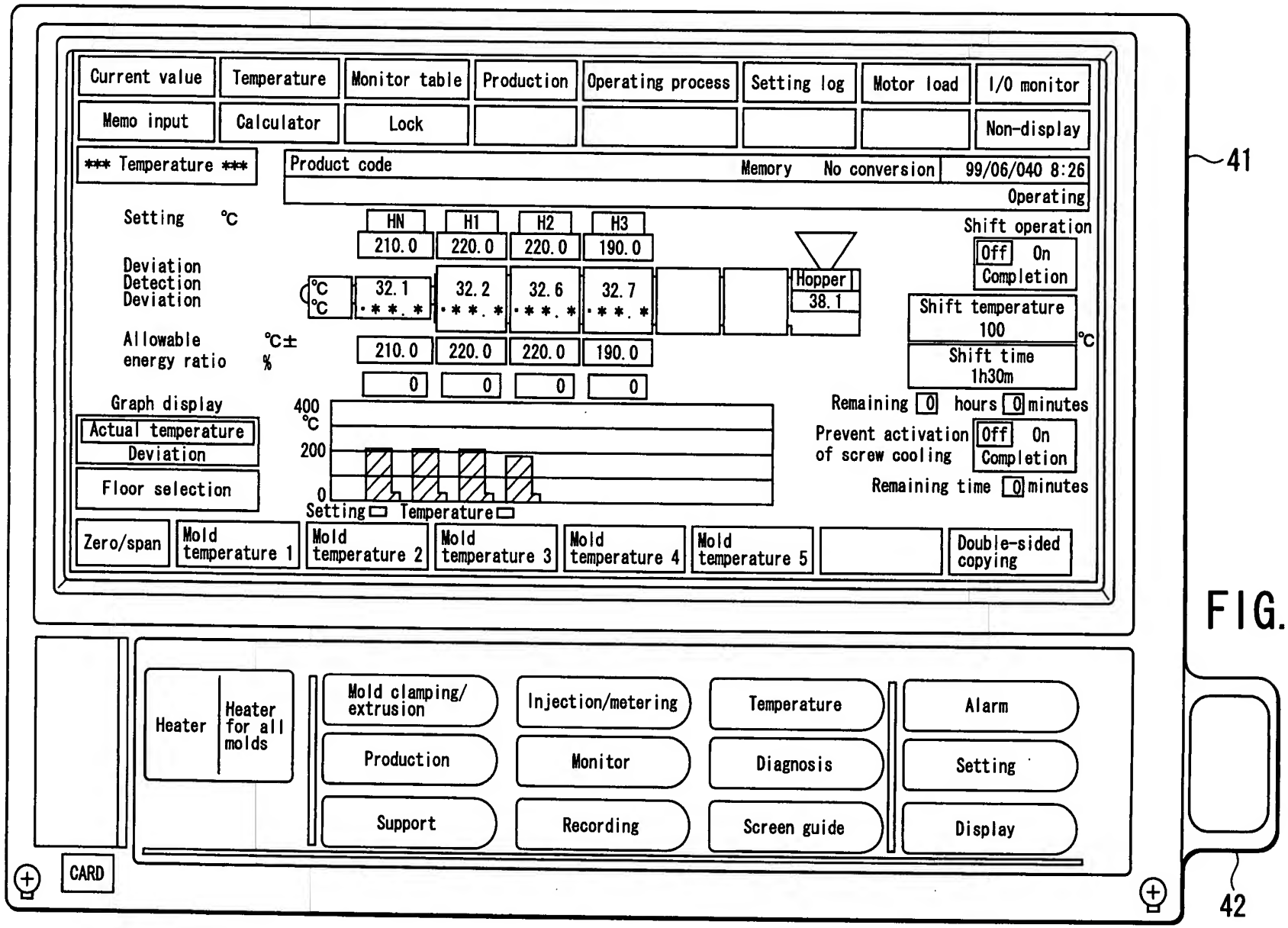

Current value
Temperature
Monitor table
Production
Operating process
Setting log
Motor load
I/O monitor
Memo input
Calculator
Lock
Non-display
*** Temperature ***
Product code
Memory
No conversion
99/06/040 8:26
Operating
41
Setting ℃
HN
H1
H2
H3
210.0
220.0
220.0
190.0
Shift operation
Off
On
Completion
Deviation Detection Deviation
℃
℃
32.1
32.2
32.6
32.7
Hopper
38.1
Shift temperature
100
℃
Allowable energy ratio
℃±
%
210.0
220.0
220.0
190.0
Shift time
1h30m
0
0
0
0
Graph display
Actual temperature
Deviation
Floor selection
400
℃
200
0
Setting
Temperature
Remaining 0 hours 0 minutes
Prevent activation of screw cooling
Off
On
Completion
Remaining time 0 minutes
Zero/span
Mold temperature 1
Mold temperature 2
Mold temperature 3
Mold temperature 4
Mold temperature 5
Double-sided copying
Heater
Heater for all molds
Mold clamping/ extrusion
Injection/metering
Temperature
Alarm
Production
Monitor
Diagnosis
Setting
Support
Recording
Screen guide
Display
CARD
42

FIG. 12